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FEATHER DUSTER ATTACHMENT FOR VACUUM CLEANERS

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Fig. 1.

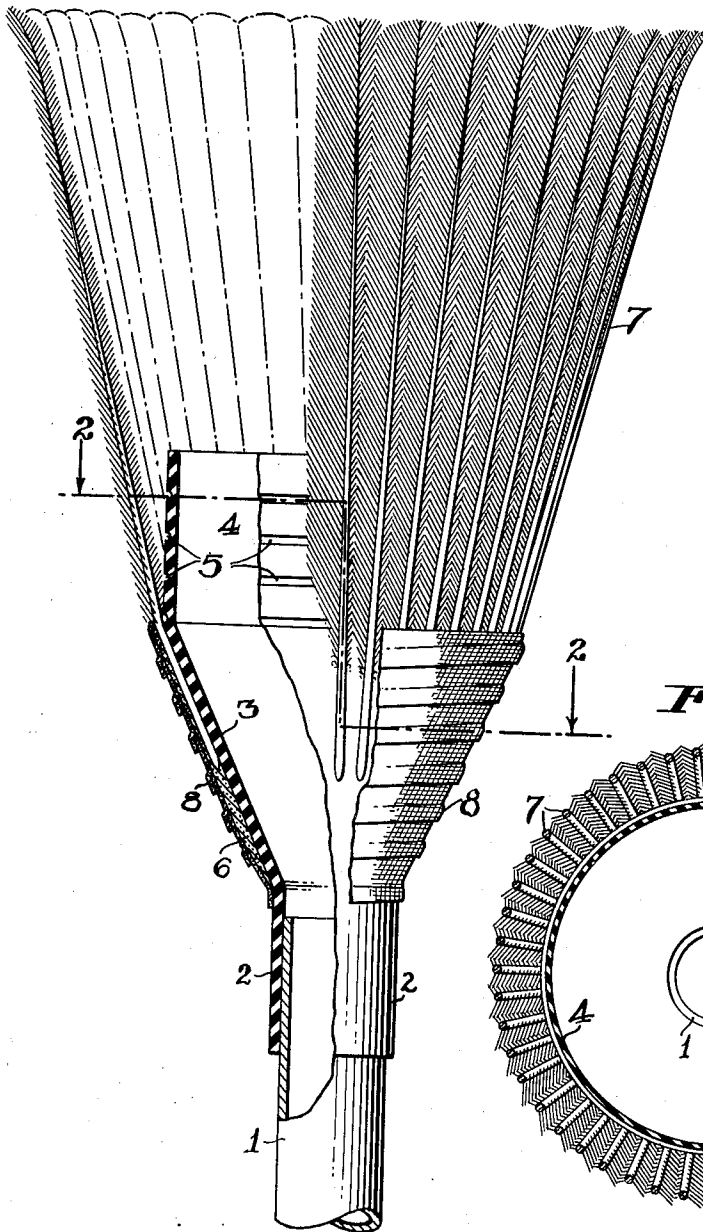
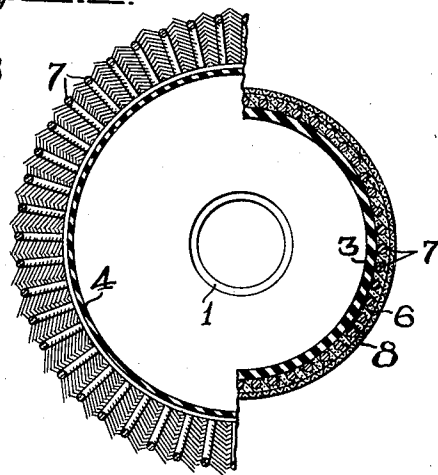


Fig. 2.



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FEATHER DUSTER ATTACHMENT FOR
VACUUM CLEANERS

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Renewed March 4, 1940

2 Claims. (Cl. 15—158)

This invention relates to improvements in dusters for pneumatic cleaners, and more particularly to a feather duster attachment for vacuum cleaners.

An object of my invention is to provide an improved feather duster attachment for vacuum cleaners which affords satisfactory means for dusting fragile objects and removing the dust and lint disturbed by the dusting operation.

Another object of my invention is to provide an improved feather duster of the kind characterized which embodies novel means for shortening the conical feather supporting structure in accordance with the shortening of the feathers usually occurring through wear or breakage when the device is extensively used.

Other and further objects of my invention will be indicated in the appended claims or will be obvious to one skilled in the art upon an understanding of the present disclosure. For the purposes of this application I have elected to show herein certain forms and details of a feather duster attachment for vacuum cleaners representative of my invention; it is to be understood, however, that the embodiment of my invention herein shown and described is for the purpose of illustration only, and that therefore it is not to be regarded as exhaustive of the variations of the invention, nor is it to be given an interpretation such as might have the effect of limiting the claims, short of the true and most comprehensive scope of the invention in the art.

In the accompanying drawing:

Fig. 1 is a side elevational view, partly broken away and in section, of a feather duster attachment for vacuum cleaners; and

Fig. 2 is a sectional view taken on the line 2—2 of Fig. 1.

Referring to the drawing the numeral 1 designates a tubular handle forming the usual hand manipulating means of a vacuum cleaner.

My improved feather duster attachment embodies a flexible feather supporting member comprising a tubular end piece 2 which snugly fits on and is normally secured to an end of the tubular handle, a conical shaped part 3 formed integrally with the end piece, and a ring shaped part 4 formed at the enlarged end of the conical shaped part. The ring shaped part 4 is made up of number of annular joined sections which are spaced one from another by annular grooves 5 or other suitable means which weakens the material at points between the sections so that each succeeding end section can be readily detached from its adjacent section.

Secured, as by cement 6 or other suitable means to the conical shaped part 3 of the feather supporting member and arranged in annular formation, are a plurality of feathers 7 which extend well beyond the open end of the ring shaped part 4. Extending over the feathers 7 and preferably disposed around the conical shaped part 3 between points where the latter joins the tubular end piece 2 and where it joins the ring shaped part 4, is a covering 8 of fabric or other suitable material.

When using the device in dusting articles of various kinds the feathers ordinarily dislodge particles of dust and lint as the duster is manipulated over the articles, and at the same time the continuous suction of air through the flexible feather supporting member and the tubular handle 1 carries a considerable part of the said dislodged dust and lint entirely away so it cannot again come to rest on the same or adjacent objects. Since the feather supporting member is made from flexible material, the attachment may be freely manipulated over polished or other surfaces without danger of their being scratched or otherwise marred. The annular sections of the ring shaped part 4 of the feather supporting member being readily detachable one from another permits the shortening of the said supporting member in accordance with the shortening of the feathers. The annular sections are detachable one from another to permit the shortening of the enlarged part of the conical-shaped member, thereby normally permitting the feathers and the said enlarged end of the conical-shaped member to be maintained in such relative positions with respect to each other that even though the said feathers may become shortened through wear or breakage they may still be made to assume positions projecting beyond the enlarged end of the said conical-shaped member.

Having described my invention what I claim is:

1. A feather duster attachment for vacuum cleaners comprising a flexible conical-shaped member having means at its restricted end for attachment to the tubular handle of a vacuum cleaner and a plurality of detachable annular sections formed on its enlarged end for shortening the same, and a plurality of annularly arranged feathers secured to the flexible member and projecting beyond the latter's enlarged end, the said annular sections being detachable one from another to permit the shortening of the enlarged part of the conical-shaped member, whereby the said feathers and the enlarged end of the conical-shaped member may be normally maintained in

such relative positions with respect to each other that when the said feathers break or become worn they may still be made to project beyond the enlarged end of the conical-shaped member.

- 5 2. In a duster attachment for vacuum cleaners, a flexible conical-shaped member having means at its restricted end for attachment to a tubular handle of a vacuum cleaner, a plurality of joined and independently detachable annular sections
10 separated one from another by annular grooves and forming a part of the said enlarged end of the conical-shaped member, and a plurality of

feathers arranged annularly around and secured to and projecting well beyond the enlarged end of the conical-shaped member, the said annular sections being detachable one from another to permit the shortening of the enlarged part of the conical-shaped member, whereby the feathers, even though they may be shortened through wear or breakage, may still normally be made to project beyond what remains of the enlarged end part of the conical-shaped member.

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